



**DEPARTMENT OF THE ARMY**  
**PROJECT MANAGER SOLDIER EQUIPMENT**  
10170 BEACH ROAD, BUILDING 325  
FORT BELVOIR, VA 22060-5800

REPLY TO  
ATTENTION OF

SFAE-SDR-CIE

4 April 2007

**MEMORANDUM FOR SEE DISTRIBUTION**

**SUBJECT:** Updated Authorization to Requisition and Use Commercial Eyewear as Alternatives to the Special Protective Eyewear, Cylindrical System (SPECS), Ballistic Laser Protective Spectacles (BLPS), and the Sun, Wind, and Dust Goggles (SWDG) for Non-Laser Missions and Training Scenarios

1. Reference memorandum, Project Manager Soldier Equipment, Subject: Updated Authorization to Requisition and Use Commercial Eyewear as Alternatives to the Special Protective Eyewear, Cylindrical System (SPECS), Ballistic Laser Protective Spectacles (BLPS), and the Sun, Wind, and Dust Goggles (SWDG) for Non-Laser Missions and Training Scenarios, dated 12 June 2006.
2. The referenced memorandum identified and authorized commercially available eyewear that may be used as alternatives to the standard SPECS, BLPS, and SWDG. The purpose of this memorandum is to update the list of authorized commercially available eyewear provided in the reference. This memorandum supersedes all earlier versions.
3. Product Manager, Clothing and Individual Equipment (PM-CIE) is continuously evaluating commercially available eyewear for suitability of use for Soldiers. The eyewear is tested to ballistic and optical test standards. Successful completion of these tests is required in order for any eyewear to be authorized for Soldier use and protection. All commercial eyewear products listed in the attached Authorized Protective Eyewear List (APEL) meet stringent ballistic protection standards. In addition, they have been widely accepted by Soldiers who prefer them to the Army standard BLPS, SPECS, and SWDG.
4. Ten percent of all coalition force casualties are attributed to eye injuries based on revised statistics assessed through February 2005. To reduce or prevent this high percentage of eye injuries, the use of eye protection or "eye armor" must be required during field tactical operations, training, or situations where there is risk of combat. To maximize and mitigate eye injuries, use only products from the APEL and obtain your prescriptions through your unit optometrist or medical support personnel, who have been informed of the new products and issuing procedures.

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5. Units are reminded the commercial eyewear listed in the enclosures do not provide laser eye protection and must only be used for missions and training scenarios where laser eye protection is not required. For laser eye protection applications, the SPECS, SWDG, and BLPS will continue to be used. Incremental improvements to add laser protection to some of the commercial eyewear in the future are planned.

6. For Soldiers who require prescription spectacles, the Uvex XC Spectacle with prescription lens carrier (PLC), ESS ICE 2 or ICE NARO Spectacle with PLC, Revision Sawfly Spectacle with PLC, and Body Specs Pistol Spectacle with PLC are authorized for use as alternatives to BLPS. For Soldiers who require prescription lenses for goggle applications, the ESS Land Operations goggle and ESS Vehicle Operations goggle may be used as alternatives to the SWDG for wear over prescription eyeglasses. The ESS Profile NVG goggle and Revision Desert Locust goggle may be used with their designated prescription lens carriers as other alternatives. Use of any prescriptive lens or lens carrier that is not authorized for a specific APEL spectacle or goggle may result in serious injury. We also strongly recommend that Soldiers use Army clinics to obtain prescription correction for APEL prescription lenses as they have been tested and certified for each item.

7. Only clear and gray/smoke sunglass lenses are authorized for the eyewear listed on the APEL. Other lens tints, including yellow, orange, rust, rose, and others known as "blue blockers," are not authorized by this office because they adversely impact and degrade color recognition and overall mission performance. We recommend Soldiers refrain from using these lenses and not accept manufacturers' claims alleging performance enhancements due to their product unless/until the claims can be independently verified by this office and the US Army Medical Command.

8. Units may order APEL eyewear by submitting funded Military Standard Requisitioning & Issue Procedures requisitions through normal supply channels to the Defense Supply Center Philadelphia (DSCP) General and Industrial (S9I). In addition, any procurement center can also provide funds via a Military Inter-departmental Purchase Request to DSCP Prime Vendor Program to obtain items by part number or national stock number. We encourage Units making large quantity purchases to request better pricing than the prices listed in FEDLOG. The contact information for the Prime Vendor Program is Mr. Ralph Lund, Contracting Officer, Commander, Defense Supply Center Philadelphia (SCO500), 700 Robbins Ave, Philadelphia, PA 19111-5092, fax: (215) 737-4036, commercial: (215) 737-4154, DSN: 444-4154, Email: [Ralph.Lund@dla.mil](mailto:Ralph.Lund@dla.mil).

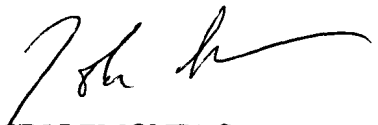
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9. PM-CIE maintains an up-to-date listing of all authorized eyewear on the Program Executive Office Soldier website at <http://www.peosoldier.army.mil>. This website will serve to keep the Army users informed of authorized eyewear between releases of this memorandum. In addition, the search function of AKO will also direct users to the most current APEL memorandum. From AKO, select Program Executive Office Soldier search option.

10. The points of contact for this action are Mr. Myron Pross, PM-CIE (Philadelphia), DSN 444-2510 or commercial (215) 737-2510; email: [myron.pross@dla.mil](mailto:myron.pross@dla.mil), and Mr. Frank J. Cole, U.S. Army Materiel Command Logistics Support Activity, DSN 645-9907 or commercial (256) 955-9907; e-mail: [frank.cole1@logsa.us.army.mil](mailto:frank.cole1@logsa.us.army.mil).

Encl



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DISTRIBUTION:

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US ARMY OFFICE OF THE DIRECTOR OF ARMY SAFETY, (ATTN: DACS-SF) (w/encl)

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US NAVAL OPHTHALMIC SUPPORT AND TRAINING (ATTN: CDR MATTHEW NEWTON) (w/encl)

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US ARMY SAFETY CENTER, (ATTN: CSSC-OG, MR. BILL EDMONDS) (w/encl)

US NAVAL OPHTHALMIC SUPPORT AND TRAINING ACTIVITY (ATTN: JIM DARRAH/MR. JOHN NICKERSON) (w/encl)

US ARMY PROGRAM MANAGER, TRI-SERVICE VISION CONSERVATION AND READINESS PROGRAM (w/encl)

US ARMY CENTER FOR HEALTH PROMOTION AND PREVENTATIVE MEDICINE (ATTN: MCHB-TS-MTS, MAJ DAWN WERNER) (w/encl)

US ARMY HQDA, ODCS, G-4, (w/encl)

US ARMY USAARMC, (ATTN: ATZK-TD, DR. ROBERT BAUER) (w/encl)

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US ARMY ARMOR CENTER AND FT. KNOX S&T DIVISION, UAMBL, (ATTN: ATZK-UAM-S, MR. LARRY T. HASTY) (w/encl)

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PM-CIE LSO, (ATTN: MR. MYRON PROSS) (w/encl)

PM-CIE WES DIVISION, (ATTN: AMSRD-NSC-IP-A, MS. MICHELLE MARKEY/MR. HAROLD MOODY) (w/encl)

US ARMY TRADOC, OFFICE OF THE COMMAND SURGEON MEDICAL OPERATIONS, (ATTN: COL JEFFREY SHORT) (w/encl)

AAFES, (ATTN: MR. RAY DOWNS) (w/encl)

DSCP, SCO500, (ATTN: MR. RALPH LUND) (w/encl)

DSCP, (ATTN: DSCP-IDA, MS. SHIRLEY B. JONES/MR. THOMAS LASKOWSKI) (w/encl)

US ARMY CENTER FOR HEALTH PROMOTION AND PREVENTATIVE MEDICINE, TRI-SERVICE VISION CONSERVATION AND READINESS PROGRAM, (ATTN: MCHB-TS-MTS, MAJ JAMES ELLEDGE) (w/encl)

US ARMY WINN COMMUNITY HOSPITAL, OPTOMETRY SERVICES, (ATTN: LTC DEAN BANCROFT) (w/encl)

## AUTHORIZED PROTECTIVE EYEWEAR LIST (APEL) FEBRUARY 2006

1. Lessons learned from recent conflicts have taught us that we can expect 10% of battlefield casualties to incur eye injuries. As body armor has become more universally available, Soldiers have benefited from increased survivability on the battlefield. "Eye Armor" must also be provided to Soldiers and it is imperative that commanders ensure the wear of the protective eyewear whenever engaging in field tactical operations, training, or situations where there is risk of combat.

2. **Standard Type (Military) Classified Eyewear:** The eyewear listed below provides ballistic, ultraviolet (UV) and laser eye protection. However, **this eyewear is not approved for flight operations.** This eyewear was previously fielded to the Army. Replacement eyewear may be obtained by submitting funded requisition through normal supply channels to the Defense Supply Center Philadelphia (DSCP) (RIC S9T). Refer to FEDLOG for pricing information.

### MILITARY OPTIONS

#### Spectacle System with Prescription Lens Carrier Capability

Authorized <u>SPECTACLES</u>	NSN
<b>Ballistic Laser Protective Spectacles (BLPS)</b>	
BLPS, Clear	8465-01-416-4636
BLPS, Gray (Sunglass)	8465-01-417-4004
BLPS, 2WL Laser Protective	8465-01-416-3207
BLPS, 3WL Laser Protective	8465-01-416-3210
Carrying Case	8465-01-417-9963
Retainer Strap	8465-01-416-4637
Prescription Lens Carrier (M-40 Insert)	6540-01-264-1348




BLPS can be worn by all Soldiers for field tactical operations, training or situations where there is a risk of ballistic or laser eye injuries. The prescription lens carrier (PLC) for this system is the M-40 protective mask insert (obtained at the Soldier's local Optometry Clinic). Soldiers should maintain a separate insert for their protective mask and BLPS system. It is imperative that Soldiers confirm a proper fit of their BLPS with the PLC in place before use and utilize the proper laser shield for their environment. Each pair will have its own retainer strap and hardened plastic case. BLPS are available in one size only and provide **laser protection** as well as **ballistic and UV protection**. Laser lenses must be

requisitioned separately. No new contracts will be awarded for this product; DSCP has limited supply of this product. The intent is to draw-down and discontinue use of this product.

## Spectacle System Without Prescription Lens Carrier Capability


Authorized <u>SPECTACLES</u>	NSN
<b>Special Protective Eyewear Cylindrical System (SPECS)</b>	
SPECS Kit Regular	8465-01-416-4626
SPECS Kit Large	8465-01-416-4629
SPECS, 2WL Laser Protective, Regular	8465-01-416-4634
SPECS, 2 WL Laser Protective, Large	8465-01-416-4632
SPECS, 3 WL Laser Protective, Regular	8465-01-416-4635
SPECS, 3 WL Laser Protective, Large	8465-01-416-8516
SPECS, Clear – Ballistic Lens, Regular	8465-01-416-4628
SPECS, Clear – Ballistic Lens, Large	8465-01-416-4631
SPECS, Gray – Ballistic Lens, Regular	8465-01-416-4630
SPECS, Gray – Ballistic Lens, Large	8465-01-416-4633
Carrying Case	8465-01-416-4627
Retainer Strap	8465-01-416-4637



SPECS are only for Soldiers who do not require optical correction for duty. The SPECS Kit is a sized item, available in sizes regular and large. It is estimated that 70% of the users of the SPECS system will require regular and 30% will require large. The SPECS Kit is configured with lenses that provide **ballistic protection, UV and laser protection** lenses. Laser lenses must be requisitioned separately. The SPECS Kit contains one clear lens, one pop-in gray (sunglass) lens, a retaining strap and a hardened case. No new contracts will be awarded for this product; DSCP has limited supply of this product. The intent is to draw-down and discontinue use of this product.

## Goggle System That May Be Worn Over Spectacles

Authorized <u>Goggles</u>	NSN
<b>Sun, Wind, and Dust Goggle (SWDG)</b>	
SWDG Kit (Clear and Gray Lenses)	8465-01-328-8268
SWDG Type 3 Replacement Lens, Clear	8465-01-109-3997
SWDG Type 4 Replacement Lens, Gray	8465-01-109-3996
SWDG Type 5 Lens, Laser Goggle 2 WL	8465-01-439-3506
SWDG Type 6 Lens, Laser Goggle, 3 WL	8465-01-439-3511



The SWDG is for Soldiers who have duty in sandy, windy, or dusty environments. Soldiers who require optical correction must wear the SWDG over their eyeglasses. The SWDG comes in a kit, which includes one Type 3 clear – ballistic lens (installed in goggle frame), one Type 4 gray – ballistic lens (sunglass), and one carrying case. The Type 5, 2 wavelength laser – ballistic lens (green in color) and Type 6, 3 wavelength laser – ballistic lens (brown in color) must be requisitioned separately. The SWDG is designated as a one size fits all. All lenses provide UV protection. No new contracts will be awarded for this product; DSCP has limited supply of this product. The intent is to draw-down and discontinue use of this product.

3. **Authorized Commercial Eyewear Alternatives:** To meet the needs of units with diverse mission requirements, Army units are authorized to requisition and use the commercial eyewear listed below as alternatives to the standard type classified eyewear. **This eyewear will provide ballistic and UV protection, but does not provide laser protection and is not authorized for Army missions and training scenarios that require laser eye protection. Additionally, this eyewear is not approved for flight operations.** This eyewear may be obtained by submitting funded requisitions through the normal supply channels to the DSCP Directorate of General and Industrial RIC S9I. Refer to FEDLOG for pricing information.

#### **Spectacle Systems with Prescription Lens Carrier Capability**

<b>Authorized <u>SPECTACLES</u></b>	<b>Unit of Issue</b>	<b>Manufacturer's Part Number</b>	<b>NSN</b>
<b>Body Specs PISTOL Kit +</b>	1 each	PISTOL-PKG-BLACK-PAN	<b>4240-01-549-1297</b>
Body Specs PISTOL + Clear Replacement Lens	5 per package	P-1CF-5PK	4240-01-549-1300
Body Specs PISTOL + Neutral Slate Replacement Lens	5 per package	P-1GF-5PK	4240-01-549-1319
Body Specs PISTOL + Replacement Frame (includes temples and strap)	1 each	P-FH-PAN	4240-01-549-1294
Body Specs PISTOL Replacement Elastic Strap	1 each	P-H	4240-01-526-9656
Body Specs PISTOL Replacement Nose Piece	1 each	PN	4240-01-526-9714
Body Specs PISTOL Replacement Case	1 each	P-P	4240-01-526-9663
Body Specs PISTOL RX Carrier	1 each	P-RXC	<b>6540-01-531-3810</b>



The Body Specs PISTOL is a lightweight eye protective system with interchangeable lenses for effective eye protection. The PISTOL has an optical insert that fits behind the primary ballistic shield; the PISTOL can be worn by both prescription and non-prescription wearers. The PISTOL meets ANSI Z87.1-2003 optical and safety tests, provides ballistic-fragmentation protection, and weighs 1.1 ounces. The lens material blocks 100% of all UVA and UVB light.

### Spectacle Systems with Prescription Lens Carrier Capability (continued)

Authorized <u>SPECTACLES</u>	Unit of Issue	Manufacturer's Part Number	NSN
<b>Eye Safety Systems (ESS) Interchangeable Component Eyeshield (ICE) 2 Kit, Black Frame</b>	1 each	ESSICE-2	<b>4240-01-525-5085</b>
<b>Eye Safety Systems (ESS) Interchangeable Component Eyeshield (ICE) NARO Kit</b>	1 each	ESSICE-2N	<b>4240-01-537-6143</b>
ESS ICE2 Clear Replacement Lens	Package of 50	ESSICEL1-50	4240-01-525-4819
ESS ICE2 Smoke Gray Replacement Lens	Package of 50	ESSICEL2-50	4240-01-525-5098
ESS ICE2 Replacement Frame (Frame kits include the two temples, one nosepiece, and an elastic strap.)	1 each	ESSICEKIT	4240-01-525-5095
ESS ICE NARO Replacement Frame (Frame kits include the two temples, one nosepiece, and an elastic strap.)	1 each	ESSICEKIT-N	4240-01-549-0934
ESS ICE NARO Clear Replacement Lens	Package of 50	ESSICEL1-50N	4240-01-549-0863
ESS ICE NARO Smoke Gray Replacement Lens	Package of 50	ESSICEL2-50N	4240-01-549-0876
ESS ICE2 Replacement Carrying Pouch	1 each	1ESSICECS	4240-01-518-9838
ESS ICE2 Replacement Fog Repellent Cloth	Package of 24	ESSFOG24	4240-01-525-5107
ESS ICE2 Replacement Snap-on Neck Leash	Package of 24	ESSLSH-24	4240-01-525-4777
ESS P-2B Prescription Insert (fits both the ICE-2, ESS ICE NARO spectacles and the ESS Profile NVG goggle)	1 each	EPPRSC-PB	<b>6540-01-525-4784</b>




ESS ICE 2 is a lightweight eye protective system with interchangeable lenses for effective eye protection. There are two sizes (ICE2 and ICE2-NARO). The ICE2-NARO will provide a better fit for smaller heads. Both sizes have an optical insert that is compatible with both the ESS ICE 2/ICE2-NARO spectacles and the ESS Profile Goggle. The spectacle meets ANSI Z87.1-2003 optical and safety tests, provides ballistic-fragmentation protection, and weighs 1.2 ounces. The lens material blocks 100% of all UVA and UVB light.




**Spectacle Systems with Prescription Lens Carrier Capability (continued)**

<b>Authorized <u>SPECTACLES</u></b>	<b>Unit of Issue</b>	<b>Manufacturer's Part Number</b>	<b>NSN</b>
<b>Revision Sawfly USA Military Kit, Size Regular Kit</b>	1 each	4-0076-9800	<b>4240-01-527-4051</b>
<b>Revision Sawfly USA Military Kit, Size Large Kit</b>	1 each	4-0076-9700	<b>4240-01-527-4018</b>
Clear Replacement Shield with Nosepiece, Size Regular	Package of 10	4-0130-9100	4240-01-527-4052
Clear Replacement Shield with Nosepiece, Size Large	Package of 10	4-0131-9100	4240-01-527-4061
Solar Replacement Shield with Nosepiece, Size Regular	Package of 10	4-0130-9200	4240-01-527-4053
Solar Replacement Shield with Nosepiece, Size Large	Package of 10	4-0131-9200	4240-01-527-4063
Retention Head Strap Replacement	Package of 10	4-0132-9100	4240-01-527-4067
Prescription Carrier Insert with goggle connector	Package of 10	4-0133-9100	<b>6540-01-527-4056</b>
Anti-fog, Anti-static Lens Cleaning Spray – 1 fluid Ounce Bottle	Package of 10	4-0134-0100	4240-01-527-4068
<div data-bbox="171 1087 439 1199" data-label="Image"> </div> <p>The Revision Sawfly is a lightweight eye protective system with interchangeable lenses for effective eye protection. The Sawfly has an optional prescription lens carrier that fits behind the primary ballistic shield to accommodate prescription wearers. The Sawfly Spectacle meets ANSI Z87.1-2003 optical and safety tests, provides ballistic-fragmentation protection, and weighs 1.2 ounces. The lens material blocks 100% of all UVA and UVB light.</p>			


### Spectacle Systems with Prescription Lens Carrier Capability (continued)

Authorized <u>SPECTACLES</u>	Unit of Issue	Manufacturer's Part Number	NSN
<b>Uvex XC Spectacle Kit</b>	1 each	S99-S3399-MIL	<b>4240-01-516-5361</b>
Uvex XC Spectacle Clear Assembly	1 each	S99-S3300X-MIL	4240-01-516-3460
Uvex XC Spectacle Gray Assembly	1 each	S99-SS3301X-MIL	4240-01-516-3452
Uvex XC Spectacle Clear Replacement Lens, Antifog Coating	Package of 10	S6950X	4240-01-516-3469
Uvex XC Spectacle Gray Replacement Lens, Antifog Coating	Package of 10	S6951X	4240-01-516-3473
Uvex XC Spectacle Replacement Carrying Case (Black)	1 each	S99-S491-MIL	4240-01-516-3444
Uvex XC Spectacle Prescription Lens Carrier	1 each	S99-S3350-MIL	<b>6540-01-516-5342</b>
 <p>The UVEX XC protective eyewear consists of a lightweight rigid thermoplastic frame. The frame features ratchet lens adjustment to complete the fitting system and provides extended wear comfort. The frame and lens assembly weighs 1.3 ounces. The UVEX XC uses an interchangeable polycarbonate lens that protects the entire eye socket area with unobstructed vision. Additionally, a small ventilation space has been engineered between the frame and the lens that vents the eye socket area to help reduce moisture. All lenses have been treated with anti-fog coating to further reduce the level of moisture and control fogging. The lens provides ballistic-fragmentation protection, and meets all ANSI Z87.1-2003 safety requirements. The lens material blocks 100% of all UVA and UVB light.</p>			


### Spectacle Systems without Prescription Lens Carrier Capability

Authorized <u>SPECTACLES</u>	Unit of Issue	Manufacturer's Part Number	NSN
<b>Oakley SI Ballistic M Frame Kit (Faceshield, Industrial)</b>	1 each	11-105	<b>4240-01-525-3095</b>
Oakley SI Ballistic M Frame Strike Clear Replacement Lens	1 each	11-112	4240-01-525-7555
Oakley SI Ballistic M Frame Strike Gray Replacement Lens	1 each	11-113	4240-01-525-7554
Oakley SI Ballistic M Frame Replacement Storage Case	1 each	11-114	4240-01-525-7561
Oakley SI Ballistic M Frame Micro Bags	Bag of 5	11-115	4240-01-525-3109
 <p>The modified Oakley M Frame is a commercial-off-the-shelf protective eyewear system. The Oakley SI M Frame military design meets ANSI Z87.1-2003 optical and safety tests, meets military ballistic-fragmentation requirements, and weighs just over one ounce. The lens material blocks 100% of all UVA and UVB light. This eyewear is for Soldiers who do not require prescription lenses.</p>			


### Spectacle Systems without Prescription Lens Carrier Capability (continued)


Authorized <u>SPECTACLES</u>	Unit of Issue	Manufacturer's Part Number	NSN
<b>Wiley X PT-1 Spectacles Kit</b>	1 each	PT-1SC	<b>4240-01-510-7853</b>
Wiley X PT-1 Single Lens System (Clear)	1 each	PT-1C	4240-01-510-7848
Wiley X PT-1 Single Lens System (Gray)	1 each	PT-1S	4240-01-510-7847
Wiley X PT-1 Clear Replacement Lenses	50 each	PT-1CD	4240-01-528-5900
Wiley X PT-1 Smoke Replacement Lenses	50 each	PT-1SD	4240-01-528-5901
Wiley X PT Replacement Hard Case	1 each	PT-1BA-963L	4240-01-528-5902
 <p>The Wiley-X PT-1 protective eyewear consists of a lightweight rigid frame. The Wiley-X PT-1 uses an interchangeable polycarbonate lens, which protects the entire eye socket area. All lenses have been treated with anti-fog coating to further reduce the level of moisture and control fogging. The lens provides ballistic-fragmentation protection and meets all ANSI Z87.1-2003 safety requirements. The lens material blocks 100% of all UVA and UVB light.</p>			

Authorized <u>SPECTACLES</u>	Unit of Issue	Manufacturer's Part Number	NSN
<b>Wiley-X SG-1 Spectacle Kit</b>	1 each	SG-1	<b>4240-01-504-0994</b>
Clear-Ballistic Replacement Lens	1 each	SG-1C	4240-01-504-5326
Green Smoke-Ballistic (sunglass) Replacement Lens	1 each	SG-1G	4240-01-504-5312
Elastic Strap Replacement	1 each	SG-1E	4240-01-504-5754
Replacement Frame (includes temples and strap)	1 each	SG-1F	4240-01-504-6524
Replacement Temples	1 each	SG-1T	4240-01-504-6474
Carrying Case	1 each	TS-235	4240-01-504-5797


 <p>The Wiley-X SG-1 spectacles are commercially available protective eyewear that provides ballistic and UVA/UVB protection. Users who do not require prescription lenses may wear the Wiley-X SG-1. The Wiley-X SG-1 is a dual lens eyewear that uses a foam seal around each eye socket to limit infiltration of wind and dust. The system provides two functions in one: converting from a spectacle with temple arms to a low profile spectacle with a strap. The temples disengage with a push of a button and can be replaced with the snap loaded elastic headband. The SG-1 spectacle weighs 1.3 ounces. The lens provides ballistic fragmentation protection (clear and sunglass) and meets all ANSI Z87.1-2003 safety requirements.</p>			
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## Goggle Systems: Worn over spectacles

Authorized <u>GOGGLES</u>	Unit of Issue	Manufacturer's Part Number	NSN
ESS Land Ops Goggles Kit (with anti-reflective sleeve), Foliage Green	1 each	ESS01FG-MLSC	4240-01-540-5576
ESS Land Ops Goggles Kit (with anti-reflective sleeve), Desert Tan	1 each	ESS01DT-MLSC	4240-01-540-5580
ESS Land Ops Goggles Clear-Ballistic Replacement Lens	Package of 50	EL1-50	4210-01-492-5722
ESS Land Ops Goggles Smoke Gray-Ballistic Replacement Lens	Package of 50	EL2-50	4210-01-492-5725
 <p>The ESS Land Operations Goggles can be worn by both prescription lens wearers and individuals who do not require prescription lenses. The ESS Land Operations Goggles have an injection molded rubber frame with polyurethane foam backing with a foam skin that contacts the face. The rubber frame holds the lens while the foam interface provides a seal between the face and goggle frame. Foam covered vent holes allow some ventilation while keeping dust out. The clear and sunglass lenses are a single-piece, simple-curve, injection-molded, high-impact polycarbonate design with anti-scratch and anti-fog coatings. The ESS Land Operations Goggles meet ANSI Z87.1 requirements, and provide ballistic-fragmentation and UVA/UVB protection. The anti-reflective sleeve reduces glint when the goggle is not in use. The ESS Land Operations Goggle weighs 4.1 ounces.</p>			

Authorized <u>GOGGLES</u>	Unit of Issue	Manufacturer's Part Number	NSN
ESS Vehicle Ops Goggles (Black Frame) Kit (with anti-reflective sleeve)	1 each	ESS01BK-MCSC	4240-01-525-5101
ESS Vehicle Ops Goggles Clear-Ballistic Replacement Lens (same as for ESS Land Ops Goggles)	Package of 50	EL1-50	4210-01-492-5722
ESS Vehicle Ops Goggles Smoke Gray-Ballistic Replacement Lens (same as for ESS Land Ops Goggles)	Package of 50	EL2-50	4210-01-492-5725
 <p>The ESS Vehicle Ops Goggle is designed for Soldiers exposed to harsh environments while operating vehicles. Both prescription lens wearers and individuals who do not require prescription lenses can wear the ESS Vehicle Operations Goggles. The high-density, restricted perimeter filtration provides a barrier against airborne debris while traveling at high speeds. The ESS Vehicle Ops goggle has a fully ventilated frame with buffered airflow for fog resistance and high filtration of airborne particles. The face padding is skinned to provide durability and easy clean up. The ESS Vehicle Ops Goggles meets ANSI Z87.1-2003 optical and safety tests, provides ballistic-fragmentation and UV protection, and weighs approximately 5 ounces.</p>			

### Goggle System With Prescription Lens Carrier Capability

Authorized <u>GOGGLES</u>	Unit of Issue	Manufacturer's Part Number	NSN
ESS Profile NVG Goggles Kit, Black Frame	1 each	EP01BK1-TSB	4240-01-504-6222
ESS Profile NVG Goggles Kit, Foliage Green Frame	1 each	EP01FG1-MSB	4240-01-540-5585
ESS Profile NVG Goggles Kit, Desert Tan Frame	1 each	EP01DT1-MSB	4240-01-504-5727
ESS Profile NVG Goggles Clear-Ballistic Replacement Lens	Package of 50	PR1C-50	4240-01-504-5641
ESS Profile NVG Goggles Smoke Gray-Ballistic Replacement Lens	Package of 50	PR1Y-50	4240-01-504-6143
ESS P-2B Prescription Insert (fits both the Profile NVG Goggle and ESS ICE-2 Spectacle)	1 each	EPPRSC-PB	6540-01-525-4784
 <p>The ESS Profile NVG Goggle provides ballistic and UVA/UVB protection. An optional prescription lens carrier is available for prescription wearers. The goggle has an injection molded rubber frame with rubber goggle seal that contacts the face. Foam covered vent holes allow ventilation while keeping dust out. The clear and sunglass lenses are a single-piece, simple-curve, injection-molded, high impact polycarbonate design with anti-scratch and anti-fog coatings. The lens has a nominal thickness of 2.8 mm, provides ballistic-fragmentation protection and meets ANSI Z87.1 requirements. Clear and sunglass lenses offer 100% UVA/UVB protection. The anti-reflective sleeve reduces glint when the goggle is not in use. The ESS Profile NVG Goggle's weight of 4.1 ounces is comparable with the Sun, Wind and Dust Goggle.</p>			

Authorized <u>SPECTACLES</u>	Unit of Issue	Manufacturer's Part Number	NSN
Revision Desert Locust Kit, Foliage Green	1 each	4-0309-9510;	4240-01-547-6218
Revision Desert Locust Kit, Black	1 each	4-0309-9500	4240-01-547-6227
Clear Replacement Shield	Package of 10	4-0331-9100	4240-01-547-6568
Solar Replacement Shield	Package of 10	4-0331-9200	4240-01-547-6567
 <p>The Revision Desert Locust is a lightweight goggle with interchangeable lenses for effective eye protection. The Desert Locust Goggle has an optional prescription lens carrier that fits behind the primary ballistic shield to accommodate prescription wearers. The lens provides ballistic-fragmentation protection and meets ANSI Z87.1 requirements. Clear and sunglass lenses offer 100% UVA/UVB protection. The anti-reflective sleeve reduces glint when the goggle is not in use. The Revision Desert Locust Goggle's weight of 4.3 ounces (118 grams) is comparable with the Sun, Wind and Dust Goggle.</p>			

### Goggle System Authorized For Non-Prescription Wearers Only

Authorized <u>GOGGLES</u>	Unit of Issue	Manufacturer's Part Number	NSN
Arena FlakJak Goggle Kit, Desert Tan Frame	1 each	FJ-K1112	4240-01-527-4076
Arena FlakJak Goggle Kit, Foliage Green Frame	1 each	FJ-K5112	4240-01-548-7366
Arena Goggle Clear-Ballistic Replacement Lenses	Package of 50	AR4-GL-001-NC/CA/B5	4240-01-527-4079
Arena Goggle Smoke Gray-Ballistic Replacement Lens	Package of 50	AR4-GL-001-NC/SA/B5	4240-01-527-4082
Arena Goggle Replacement Pouch, Goggle/Universal/With One Lens Cloth-Carrier/Khaki	1 each	SSC-G-BAG/K	4240-01-527-4078
Arena Goggle Replacement Strap, FlakJak/Desert Tan	1 each	AR4-SA-001-NC/DT	4240-01-527-4085
<div data-bbox="133 762 409 898" data-label="Image"> </div> <p>The Flakjak Goggle provides ballistic and UVA/UVB protection. It has an injection molded rubber frame with rubber goggle seal and foam padding that contacts the face. The rubber frame holds the lens. The clear and sunglass lenses are a single-piece, simple-curve, injection-molded, high-impact polycarbonate design with anti-scratch and anti-fog coatings. The lens provides ballistic-fragmentation protection, and meets all ANSI Z87.1 requirements. Clear and sunglass lenses offer 100% UVA/UVB protection. The anti-reflective sleeve reduces glint when the goggle is not in use.</p>			